

L22 ANSWER 3 OF 3 USPATFULL on STN

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TITLE: Methods for inducing phase separation of epithelial lipid bilayers

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for enhancing penetration of a therapeutic or prophylactic agent in a host in need of the topical administration thereof which comprises applying to the epithelium of the host, an effective amount

of one or more penetration enhancing epithelial sterols and the therapeutic

or prophylactic agent.

CLM What is claimed is:

1. A method for enhancing permeation of a **topically** administered therapeutic or prophylactic agent in a host in need of the cutaneous or transdermal administration of a therapeutic or . . . inhibitor selected from the group consisting of cholesterol,

cholesterol

oleate, cholesterol laurate, cholesterol myristate, cholesterol palmitate, cholesterol stearate, cholesterol arachidate, **cholesterol sulfate**, epicholesterol, cholesterol

phosphate, squalene, 7-**dehydrocholesterol**, lanosterol, desmosterol, and zymolsterol, in a penetration enhancing amount within the range of from about 0.01 to about 25 weight. . .